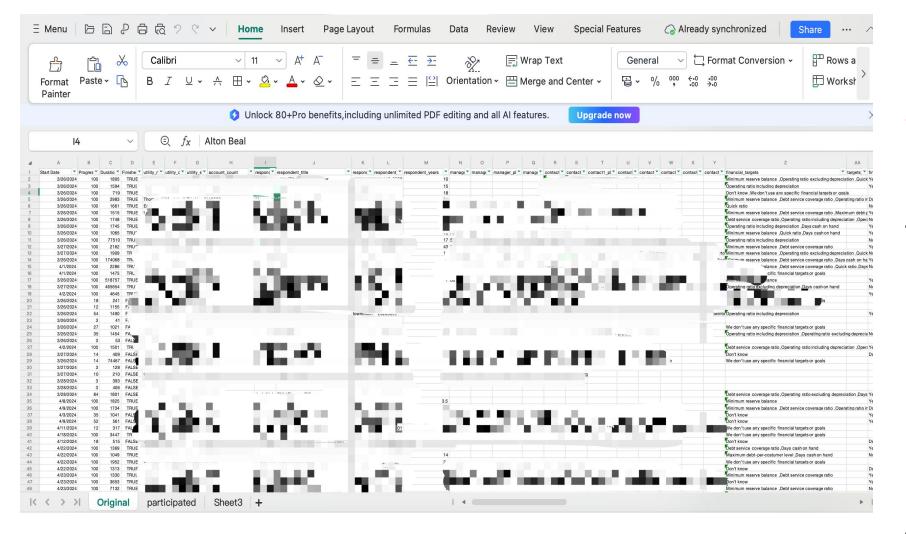
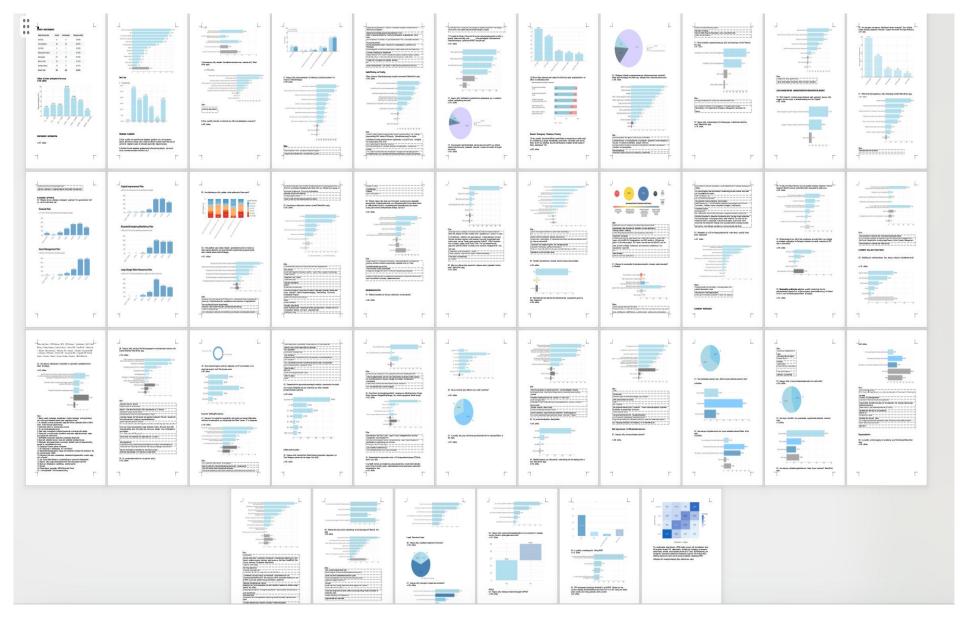
qualtrics

Step 1: First collected management data from water and wastewater utilities in North Carolina through the **Qualtrics** platform.



Step 2: After downloading the raw data in Excel format from Qualtrics, which contained over 140 relevant variables, l performed data cleaning procedures including handling missing values, standardizing data formats, and removing duplicate entries to prepare for subsequent analysis.



Step 3: I utilized R, Python, and Tableau for data analysis and visualization, ultimately producing a comprehensive 40page North Carolina Water and Wastewater Utility Management Survey Report that includes detailed insights and visual representations of the findings.